

Scalewatcher®



The solution for mineral scaling problems in the poultry sector



The Scalewatcher® is easily installed and requires no plumbing, no maintenance and no chemicals.

Scalewatcher® will:

- Reduce blockages of nipple drinkers and spray nozzles.
- Reduce scale deposits in drinking cones and cooling panels.
- Enhance the performance of medicators and enable them to work at designed levels of accuracy.
- Remove scale and sludge from waterlines.
- Improve the performance of water heaters and boilers and of water cooled refrigeration equipment in poultry.
- Keep incubators clean and enable their humidification systems to operate perfectly.
- Clear scale stains from stainless steel and other surfaces.
- Improve the efficacy of disinfectants.
- Provide a return on investments within one year.



Advantages of the Scalewatcher®

- Non-invasive.
- Uses no chemicals.
- Requires no maintenance.
- No changes in water quality.
- Consumes very little electricity.
- Shorter cleaning time.
- Capital equipment last longer.



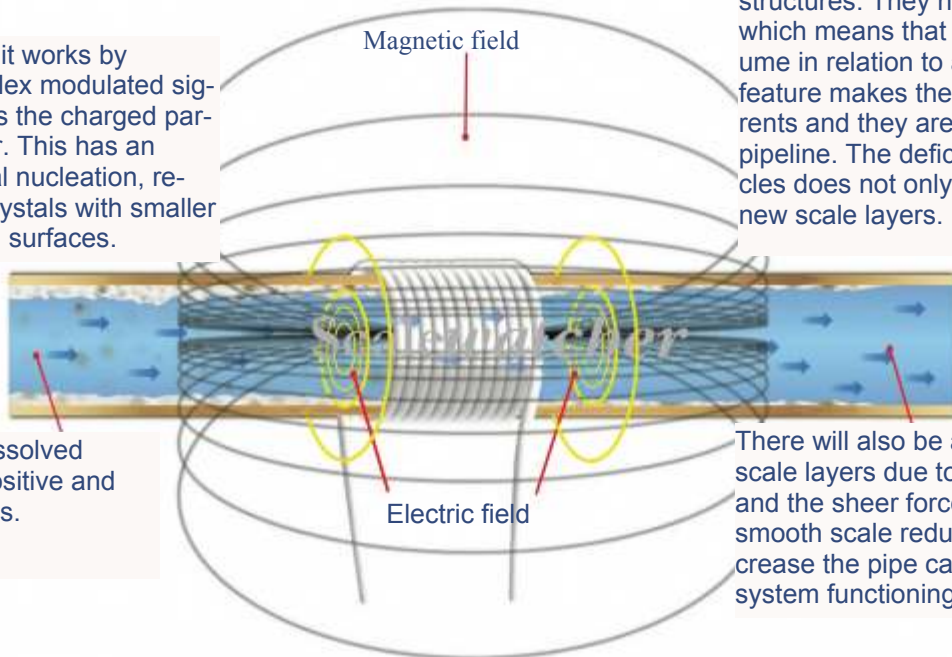
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How does it work?

The electronic unit works by inducing a complex modulated signal which agitates the charged particles in the water. This has an influence on initial nucleation, resulting in more crystals with smaller size and rounded surfaces.



This treatment creates idiomorphic, scattered crystals, which do not form matted structures. They have a rotundas shape, which means that they have a larger volume in relation to a smaller surface. This feature makes them sensitive to water currents and they are easily flushed out of the pipeline. The deficit of active scaling particles does not only prevent formation of new scale layers.

Particles and dissolved minerals with positive and negative charges.

There will also be a slow reduction of old scale layers due to the law of mass action and the shear force of the flowing water. A smooth scale reduction will slowly increase the pipe capacity and so makes system functioning more efficient."

Technical Specifications

Components:

Each model comprises of a Scalewatcher unit, signal cable, ties, plugs and clear instructions.

Power:

Units can be connected to either 110 VAC or 230 VAC 50/60 Hz. Optional: Solar power or 24 Volt direct current.

Materials:

Electronics hermetically sealed. Enclosures for indoor use are made of high grade thermoplastic. Enclosures for outdoor use are made weatherproof.

Controls & Indicators:

All units have indicators showing correct operation, providing power applied and signal coil connected.

Reliability:

Only high quality electronic components are utilized, including a custom designed chip (IC) controlling signal generation processing. Components have a life span of over 20 years.

Safety:

The Scalewatcher conforms to electrical safety standards. The electronics are sealed with resin. The output is safe to both personnel and sensitive equipment. There is no electrical contact between pipe and coil. The low output voltage is non hazardous.

Scalewatcher systems are also available for domestic, commercial, industrial and agricultural applications capable of treating pipe work ranging from 5 mm to 3000 mm irregardless of flow rate.

Ten years warranty for the residential models, five year for all other models.

Your supplier: